

ABSTRACT OF THE DISCLOSURE

GOLD- AND CERIUM-OXIDE-BASED COMPOSITION, METHOD FOR
THE PREPARATION AND THE USE THEREOF IN THE FORM OF A
5 CATALYST, IN PARTICULAR FOR CARBON MONOXIDE OXIDATION

The invention relates to a gold-based composition on a
cerium oxide-based support having a halogen content
10 with respect to a molar halogen/gold ratio equal to or
less than 0.04, wherein the gold is embodied in the
form of particles whose size is equal to or less than
10 nm. Said composition is made by a method consisting
in bringing a cerium oxide-based compound into contact
15 with a gold halide- based compound, thereby forming the
suspension thereof, the thus obtained medium pH being
fixed to a value of at least 8, subsequently, in
separating a solid from a reaction medium and in
washing said solid with a basic solution. The inventive
20 composition can be used in the form of a catalyst
in carbon monoxide oxidation methods, for treating
tobacco smoke and air.